



SEQUENCE LISTING

<110> Kaufmann, Joerg
Harrowe, Greg
Reinhard, Christoph
Kang, Sammao

<120> GENES DIFFERENTIALLY EXPRESSED IN
BREAST CANCER

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<140> US 09/758,575
<141> 2001-01-09

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<211> 2366
<212> DNA
<213> Homo sapiens

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 <212> PRT
 <213> Homo sapiens

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 35 40 45
 Gln Ala Asp Ser Asp Ala Asp Ser Ile Ser Leu Glu Leu Arg Lys Pro
 50 55 60
 Asp Gly Thr Leu Val Ser Phe Thr Ala Asp Phe Lys Lys Asp Val Lys
 65 70 75 80
 Val Phe Arg Ala Leu Ile Leu Gly Glu Leu Glu Lys Gly Gln Ser Gln
 85 90 95
 Phe Gln Ala Leu Cys Phe Val Thr Gln Leu Gln His Asn Glu Ile Ile
 100 105 110
 Pro Ser Glu Ala Met Ala Lys Leu Arg Gln Lys Asn Pro Arg Ala Val
 115 120 125
 Arg Gln Ala Glu Glu Val Arg Gly Leu Glu His Leu His Met Asp Val
 130 135 140
 Ala Val Asn Phe Ser Gln Gly Ala Leu Leu Ser Pro His Leu His Asn
 145 150 155 160
 Val Cys Ala Glu Ala Val Asp Ala Ile Tyr Thr Arg Gln Glu Asp Val
 165 170 175
 Arg Phe Trp Leu Glu Gln Gly Val Asp Ser Ser Val Phe Glu Ala Leu
 180 185 190
 Pro Lys Ala Ser Glu Gln Ala Glu Leu Pro Arg Cys Arg Gln Val Gly
 195 200 205
 Asp Arg Gly Lys Pro Cys Val Cys His Tyr Gly Leu Ser Leu Ala Trp
 210 215 220
 Tyr Pro Cys Met Leu Lys Tyr Cys His Ser Arg Asp Arg Pro Thr Pro
 225 230 235 240
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Tyr Val Pro Gln Arg Gln Leu Cys Leu Trp Asp Glu Asp Pro Tyr Pro
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<220>
 <223> Putative signal peptide

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 <212> DNA
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<220>
 <223> Anti-sense oligonucleotide

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<210> 5
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Reverse control oligonucleotide

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<210> 6
 <211> 273
 <212> PRT
 <213> Homo sapiens

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 35 40 45

Gln Ala Asp Ser Asp Ala Asp Ser Ile Ser Leu Glu Leu Arg Lys Pro
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 Pro Ser Glu Ala Met Ala Lys Leu Arg Gln Lys Asn Pro Arg Ala Val
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 Arg Gln Ala Glu Glu Val Arg Gly Leu Glu His Leu His Met Asp Val
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 Ala Val Asn Phe Ser Gln Gly Ala Leu Leu Ser Pro His Leu His Asn
 145 150 155 160
 Val Cys Ala Glu Ala Val Asp Ala Ile Val Thr Arg Gln Glu Asp Val
 165 170 175
 Arg Phe Trp Leu Glu Gln Gly Val Asp Ser Ser Val Phe Lys Ala Leu
 180 185 190
 Pro Lys Ala Ser Glu Gln Ala Glu Leu Pro Arg Cys Arg Gln Val Gly
 195 200 205
 Asp Arg Gly Lys Pro Cys Val Cys His Tyr Gly Leu Ser Leu Ala Trp
 210 215 220
 Val Pro Cys Met Leu Lys Val Cys His Ser Arg Asp Arg Pro Thr Pro
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<210> 7
 <211> 332
 <212> PRT
 <213> *Drosophila melanogaster*

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 35 40 45
 Val Val Ser Lys Asn His Phe Phe Lys His Ser Arg Ala Phe Leu Trp
 50 55 60
 Phe Leu Leu Cys Asn Leu Val Met Asn Ala Asp Ala Phe Ala His Ser
 65 70 75 80
 Gln Leu Leu Ile Asn Val Gln Asn Gln Gly Gly Glu Val Ile Gln Glu
 85 90 95
 Ser Ile Thr Ser Asn Ile Gly Glu Asp Leu Ile Thr Leu Glu Phe Gln
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 Lys Thr Asp Gly Ile Leu Ile Thr Gln Val Ile Asp Ile Arg Asn Glu
 115 120 125
 Val Gln Ile Leu Lys Ala Leu Val Leu Gly Glu Glu Lys Arg Gly Gln

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Thr Ile Arg Thr Pro Glu Glu Asp Lys Gly Arg Glu Thr Phe Thr Met		
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Gln Gly Leu Cys Ala Glu Ala Met Asp Ala Thr Val Val Arg Asp Val		
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Asp Leu Lys Ala Trp Ala Glu Leu Pro Gly Ser Ser Ile Ser Ser Leu		
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Lys Ala Ala Thr Glu Lys Phe Pro Asp Thr Leu Ser Thr Arg Cys Asn		
245	250	255
Glu Val Ser Ser Leu Trp Ala Pro Cys Leu Cys Asn Leu Glu Thr Cys		
260	265	270
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<210> 8
 <211> 2366
 <212> DNA
 <213> Homo sapiens

<400> 8

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<210> 9
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 <212> PRT
 <213> Homo sapiens

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 35 40 45
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 50 55 60
 Gly Thr Leu Val Ser Phe Thr Ala Asp Phe Lys Lys Asp Val Lys Val
 65 70 75 80
 Phe Arg Ala Leu Ile Leu Gly Glu Leu Glu Lys Gly Gln Ser Gln Phe
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 Ser Glu Ala Met Ala Lys Leu Arg Gln Lys Asn Pro Arg Ala Val Arg
 115 120 125
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 130 135 140
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 165 170 175
 Phe Trp Leu Glu Gln Gly Val Asp Ser Ser Val Phe Glu Ala Leu Pro
 180 185 190
 Lys Ala Ser Glu Gln Ala Glu Leu Pro Arg Cys Arg Gln Val Gly Asp
 195 200 205
 Arg Gly Lys Pro Cys Val Cys His Tyr Gly Leu Ser Leu Ala Trp Tyr
 210 215 220
 Pro Cys Met Leu Lys Tyr Cys His Ser Arg Asp Arg Pro Thr Pro Tyr
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Lys Cys Gly Ile Arg Ser Cys Gln Lys Ser Tyr Ser Phe Asp Phe Tyr
245 250 255
Val Pro Gln Arg Gln Leu Cys Leu Trp Asp Glu Asp Pro Tyr
260 265 270

<210> 10
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Predicted protease cleavage site of SEQ ID NO: 3

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